



**INTEGRATED NATURAL RESOURCE MANAGEMENT (INRM)
IN THE PRODUCTIVE, NATURAL AND FORESTED LANDSCAPE OF NORTHERN
REGION OF CAMBODIA**

JOB DESCRIPTION

I. Position Information

Job Title: **GIS Specialist**
Reports to: **Project Director**
Contract Type: **National Consultant (NC)**
Duty Station: **Phnom Penh**
Expected Places of Travel: **Kampong Thom, Siem Reap and Preah Vihear provinces**
Duration: **October 2021 to January 2022**

II. Background

The INRM project objective is to promote integrated landscape management for the conservation and sustainable use of biodiversity, natural resources and ecosystem services in the northern part of Cambodia. The intent is to generate multiple landscape benefits including effective conservation of globally threatened species and high conservation forests, improve management of natural resources and ensure the maintenance of ecosystem services. It is aimed specifically at improving the management of protected areas and ensuring their financial sustainability, enhancing the productivity of production and agricultural lands and improving local livelihoods. Increasing demand for forest, agricultural and wildlife products, crop land and agriculture monocultures, and infrastructure and transportation development has accelerated in recent years thereby, rapidly changing the landscape with consequential threats to biodiversity and ecosystem services. The project is thus aimed at addressing these multiple threats by harmonizing socio-economic development, sustainable management of land, forests, natural resources and biodiversity conservation through an integrated management approach, with water as a catalyst, in Northern Landscapes of Cambodia. To achieve these, actions will be taken to – strengthen policies and institutional capacity at the national and sub-national levels to ensure the integration of biodiversity and ecosystem services in sector and sub-national socio-economic development planning.

This will be achieved through three inter-related components that are focused on addressing existing barriers, these are:

- Component 1: Systemic and institutional capacity for integrated landscape management;
- Component 2: Effective management of Protected Areas and surrounding riparian and multiple use production landscapes in Northern Cambodia;
- Component 3: Knowledge management, gender mainstreaming, learning and M&E

III. Scope of Work

The GIS Specialist/National Consultant (NC) will be recruited based on an open and competitive process. The NC will be hired under the Project Component 2, Outputs 2.1 and 2.2 to prepare an integrated ecosystem mapping taking into account key natural resources, links between catchment, land use/land cover and riparian areas within the project landscape target areas.

The project's target area falls within three provinces namely Kampong Thom, Siem Reap and Preah Vihear where three protected areas (Phnom Kulen National Park, Angkor Protected Landscape, and Kulen Promtep Wildlife Sanctuary) and three watersheds (Stung Siem Reap, Stung Staung, and Stung Sen) are located in. The specialist will work closely with the Project Management Unit (PMU) for review and comments, and submit the agreed expected deliverables to the Project Director for approval.

IV. Duties and Responsibilities

The work of the NC will be in Phnom Penh for meeting with key stakeholders and will travel to the provinces such as Kampong Thom, Siem Reap, Preah Vihear and other provinces as necessary or identified by the Ministry of Environment to validate and/or collect additional information. This will include, but not limited to:

1. Conduct literature review to gain more understanding about the existing research and methodology,
2. Obtain current available satellite imagery and generate topographic map including contour, drainage, and slope,
3. Identify key stakeholders, required data and available data,
4. Process watershed delineation,
5. Conduct field verification with existing water system data and cross check the classification to improve map quality,
6. Conduct pre-processing steps for the satellite imagery and land use/land cover classification,
7. Conduct consultation meeting to get more inputs from relevant stakeholders,
8. Produce watershed maps and land use/land cover classification maps for the whole and each project landscape target areas with a catchment overlay to show links between catchment, land uses, riparian areas and pilot protected area's significance.
9. Other tasks may require.

V. Expected Outputs and Deliverables

No.	Deliverables/Outputs (Based on above tasks and responsibilities)	Timeframe
1	Deliverable 1: Submit Inception Report with the inclusion of work plan and budget plan	4 th week of October 2021
2	Deliverable 2: Submit draft of project landscape maps (watershed maps and land use/land cover maps)	3 rd week of December 2021
3	Deliverable 3: Finalize the maps and submit to Project Director for approval	3 rd week of January 2022

VI. Institutional Arrangement and Duty Station

The NC will work closely with the Project Management Unit (PMU) for review and comments on the generated deliverables/outputs, and submit the generated deliverables/outputs to the Project Director for approval. A short weekly update is expected to meet with the INRM team.

The duty station of this assignment is a combination of home-based and/or be based in Department of Biodiversity Office, Ministry of Environment in Phnom Penh. If any travel to the target provinces as necessary, the Daily Substantive Allowance (DSA) and transportation will be covered by the project and will be arranged by PMU.

VII. Work Duration and Duty Station

The assignment is expected to be performed from the 4th week of October 2021 to 3rd January 2022 which requires the candidate to provide the financial proposal indicating the number of days required for all satisfactory deliveries of this assignment.

The Specialist will work from home and/or be based in INRM Project or Department of Biodiversity, Ministry of Environment in Phnom Penh.

VII. Payment Milestones

No.	Outputs/Deliveries	Payment Schedule	Payment Amount
1	Upon submission of Inception report and workplan	4 th week of October 2021	30%
2	Upon satisfactory completion of the Draft Deliverables	4 th week of December 2021	40%
3	Upon satisfactory completion of the Final Deliverables	4 th week of January 2022	30%

VIII. Recruitment Qualifications

Education:	<ul style="list-style-type: none"> • Master's degree in environment, natural resource management, and other related courses
Experiences:	<ul style="list-style-type: none"> • At least 8 years progressive experience in undertaking activities in related field • Familiarity with GEF and UNDP procedures an advantage
Competencies:	<ul style="list-style-type: none"> • Proven track record in similar assignments • Strong leadership and team building skills; • Self-motivated and ability to work under pressure; • Demonstrable ability to organize, facilitate, and mediate; technical teams to achieve stated project objectives; • Strong computer skills; • Flexible and willing to travel as required.
Language Requirements:	<ul style="list-style-type: none"> • Excellent communication and writing skills in English and Khmer.

*Interested individual should submit a cover letter, CV and support reference **no later than 26 October 2021 (5:00 PM)** to the PMU of INRM project, Ministry of Environment: Third floor, Morodok Techo Building (Lot 503) Tonle Bassac, Chamkarmorn, Phnom Penh, Cambodia and / or email to: sophorntin8@gmail.com. Only short-listed candidates will be contacted for interview.*